

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/11852

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7	C07C69/533	C07C67/03	C07C67/56	C07C67/333	C07C67/347
	C07D303/42	C07C227/10	C07C227/08	C07C229/08	

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, BEILSTEIN Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 41 07 056 A (HUELS CHEMISCHE WERKE AG) 10 September 1992 (1992-09-10) examples 1,2,4 ---	1-5
A	EP 0 328 230 A (FUJI OIL CO LTD) 16 August 1989 (1989-08-16) claims 1-6 ---	8-10
A	WO 96 04289 A (CALIFORNIA INST OF TECHN) 15 February 1996 (1996-02-15) cited in the application whole document ---	1-44 -/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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Date of the actual completion of the International search

Date of mailing of the International search report

24 September 2003

01/10/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 005, no. 144 (C-071), 11 September 1981 (1981-09-11) & JP 56 077243 A (TAKASAGO CORP), 25 June 1981 (1981-06-25) abstract -----	11-28

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